

New York State Department of Transportation
Yellow Flag 1B19VLW058

By: Laura L. Fulford
Flag Date: October 08, 2019

Superseding Information:
This flag supersedes: YF 1B18Y0W019

Structure Information

BIN: 3306370
Feature Carried: BATTEN-DUGAN ROAD
Feature Crossed: BATTEN KILL
Orientation: 8 - NORTHWEST
Region: 01 - ALBANY
County: WASHINGTON
Political Unit: Town of JACKSON
Approximate Year Built: 1916
Posted Load Matches Inventory : Yes
Bridge Load Posting (Tons) : 20
Primary Owner: 30 - County
Primary Maintenance Responsibility: 30 - County
Typical or Main Span Type: 3 - Steel, 10 - Truss - Thru
This Bridge is not a Ramp
Number of Spans: 1

Verbal Notification Information

Person Notified: Not Contacted
Date:
Of:

Signature Information

Signature: Laura L. Fulford, P.E. 087086-1
Date: October 11, 2019
Reviewed By: Scott Kinsman
Date: October 11, 2019

Attachments: 6

Flagged Elements

Parent Element	Element	Total Quantity	Unit
<i>Span Number : 1</i>			
	162 - Steel Gusset Plate	32	each

Flagged Condition Description

Subject: Right Truss (T2) Bottom Gusset Plate Section Losses
(Bridge posted for 20 tons)

This is a single span thru-truss bridge with an open steel grate deck. The bridge is 128 ft long and has 8 panels. The truss members are made up of angles (4) for the verticals, diagonals, top and bottom chords. The majority of the section losses to the bottom gusset plates are on the Left plates (interior face). The section loss in many areas pre-date the existing paint system but shows signs of active corrosion due to paint failure. Losses were calculated with a pit gauge due to the location of the vertical and horizontal gusset plate and bottom chord. The section losses were located between the bottom chords top angle and bottom angle. Section losses are along a horizontal band width of 1 to 1.5 in high x 14 to 21 in long. (See Truss Bottom Chord Sketch) The gusset plates are 7/16 in thick.

Deterioration for this Yellow flag: (section losses rounded to nearest 5%)

Right Truss (T2) at L3: Begin Left Plate – Previously repaired;

Right Truss (T2) at L3: End Left Plate – 75% SL with a perforation over 7 in long x 1 in high (2018 - 75% SL with perforation 6.5 in long); (Photos 2 and 3)

Right Truss (T2) at L4: Begin Left Plate - 30% SL (new location); (Photo 4)

Right Truss (T2) at L4: End Left Plate – 30% SL (new location);

Right Truss (T2) at L5: Begin Left Plate - 70% SL with 4 perforations 1 in long x 1 in high (2018 – no change); (Photo 5)

Right Truss (T2) at L5: End Left Plate – Previously repaired;

There was minor changes in section loss during this inspection. The Right gusset plate were in better condition with very minor losses. This flag is being reissued (supersedes YF 1B18Y0W019) due to the active corrosion and section losses to the inside gusset plates at the floorbeam to truss connections.

Flag Photographs

Photo Number: 1

Photo Filename: 19-58-1.JPG



Attachment Description: Right Truss looking at End – General Configuration

Photo Number: 2

Photo Filename: 19-58-2.JPG



Attachment Description: Right Truss, End Left Gusset Plate at L3

Photo Number: 3

Photo Filename: 19-58-3.JPG



Attachment Description: Right Truss, End Left Gusset Plate at L3 with perforation

Photo Number: 4

Photo Filename: 19-58-4.JPG



Attachment Description: Right Truss, Begin Left Gusset Plate at L4

Photo Number: 5

Photo Filename: 19-58-5.JPG



Attachment Description: Right Truss, Begin Left Gusset Plate at L5

Photo Number: 6

Photo Filename: Truss Bottom Chord.jpg

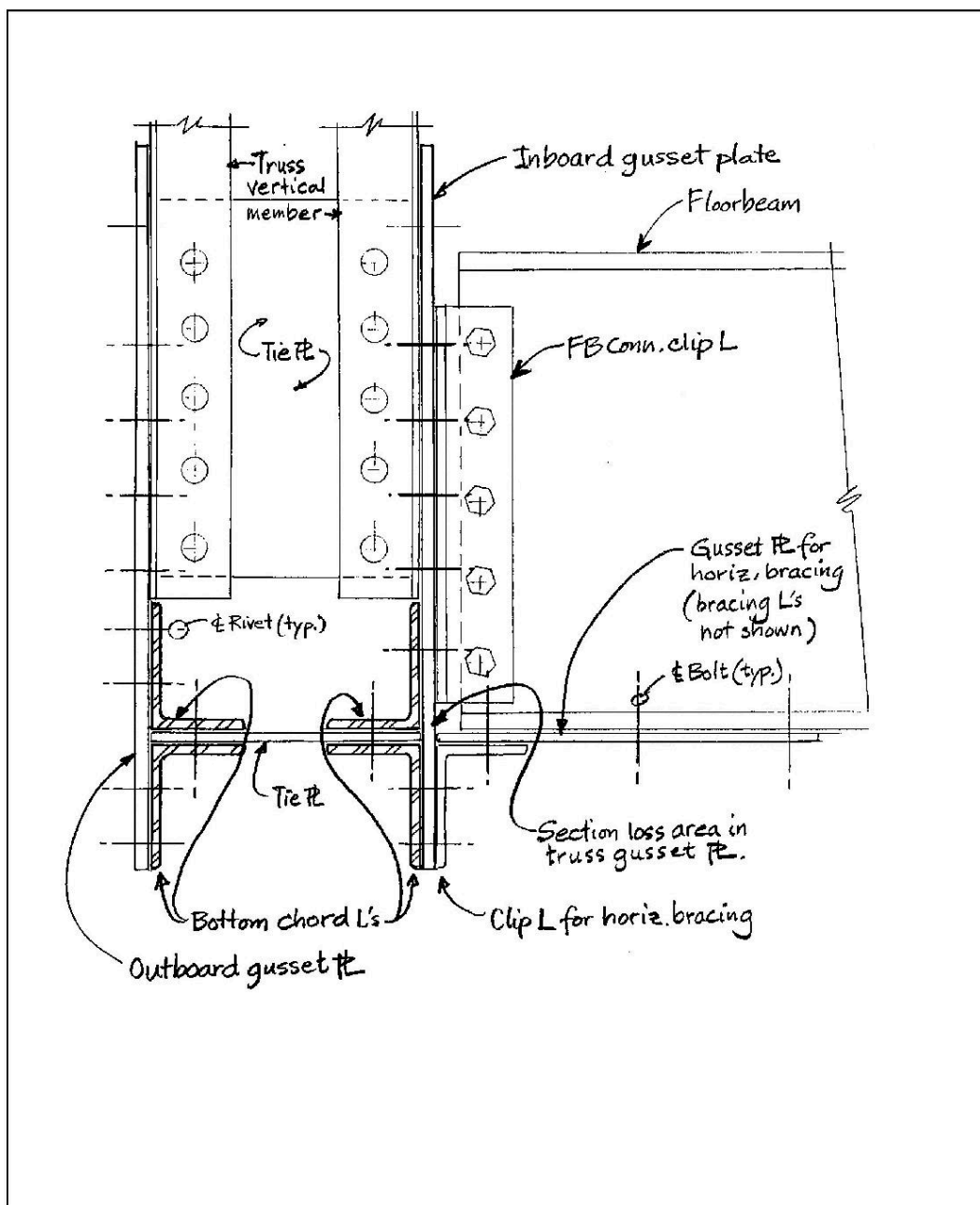
Truss Bottom Chord Panel Point Sketch

NYSDOT BRIDGE INSPECTION REPORT

SHEET 1 OF 1

Insp. Date: 10/08/19

R/C BIN: 1/8 - 3306370

**Attachment Description: Truss Bottom Chord Sketch**